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Costimulation of T cells by B7-H2, a B7-like molecule that binds ICOS.

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25: [Yoshinaga SK, Zhang M, Pistillo J, Horan T, Khare SD, Miner K, Sonnenberg M, Boone T, Brankow D, Dai T, Delaney J, Han H, Hui A, Kohno T, Manoukian R, Whoriskey JS, Coccia MA.](#) Related Articles, OMIM

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LICOS, a primordial costimulatory ligand?

Curr Biol. 2000 Mar 23;10(6):333-6.

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Cutting edge: identification of GL50, a novel B7-like protein that functionally binds to ICOS receptor.

J Immunol. 2000 Feb 15;164(4):1653-7.

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Shahinian A, Shaklee CL, Van G, Mak TW, et al.

T-cell co-stimulation through B7RP-1 and ICOS.

Nature. 1999 Dec 16;402(6763):827-32.

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AILIM/ICOS: a novel lymphocyte adhesion molecule.

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PMID: 10607749 [PubMed - indexed for MEDLINE]

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- 6: [Buonfiglio D, Bragardo M, Bonissoni S, Redoglia V, Cauda R, Zupo S, Burgio VL, Wolff H, Franssila K, Gaidano G, Carbone A, Janeway CA Jr, Dianzani U.](#) [Related Articles](#)

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**LOCUS** CAC06612 199 aa **PRI** 19-JAN-2001  
**DEFINITION** inducible T-cell co-stimulator [Homo sapiens].  
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**PID** g9968296  
**VERSION** CAC06612.1 GI:9968296  
**DBSOURCE** embl locus HSA277832, accession [AJ277832.1](#)  
**KEYWORDS**.  
**SOURCE** human.  
**ORGANISM** Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
**REFERENCE** 1 (residues 1 to 199)  
**AUTHORS** Hutloff,A., Dittrich,A.M., Beier,K.C., Eljaschewitsch,B., Kraft,R., Anagnostopoulos,I. and Kroczek,R.A.  
**TITLE** ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28  
**JOURNAL** Nature 397 (6716), 263-266 (1999)  
**MEDLINE** [99127892](#)  
**REFERENCE** 2 (residues 1 to 199)  
**AUTHORS** Beier,K.C., Hutloff,A., Dittrich,A.M., Heuck,C., Rauch,A., Buchner,K., Ludewig,B., Ochs,H.D., Mages,H.W. and Kroczek,R.A.  
**TITLE** Induction, binding specificity and function of human ICOS  
**JOURNAL** Eur. J. Immunol. 30 (12), 3707-3717 (2000)  
**MEDLINE** [20586143](#)  
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**AUTHORS** Hutloff,A.  
**TITLE** Direct Submission  
**JOURNAL** Submitted (05-MAY-2000) Hutloff A., Molecular Immunology, Robert Koch-Institut, Nordufer 20, Berlin, 13353, GERMANY  
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1: S78540 inducible T-cell co-stimulator ICOS BLink, PubMed, Related Sequences, Taxonomy, OMIM, LinkOut precursor - human

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PIR dates: 05-Mar-1999 #sequence\_revision 05-Mar-1999 #text\_change  
07-May-1999.  
**KEYWORDS** dimer; glycoprotein; T-cell; transmembrane protein.  
**SOURCE** human.  
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
**REFERENCE** 1 (residues 1 to 199)  
**AUTHORS** Hutloff,A., Dittrich,A.M., Beier,K.C., Eljaschewitsch,B., Kraft,R.,  
Anagnostopoulos,I. and Kroczek,R.A.  
**TITLE** ICOS is an inducible T-cell co-stimulator structurally and  
functionally related to CD28  
**JOURNAL** Nature 397 (6716), 263-266 (1999)  
**MEDLINE** 99127892  
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**AUTHORS** Kroczek,R.  
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ICOS costimulation: It's not just for TH2 cells anymore.

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PMID: 11390480 [PubMed - indexed for MEDLINE]

11: Tafuri A, Shahinian A, Bladt F, Yoshinaga SK, Jordana M, Wakeham A, Boucher LM, Bouchard D, Chan VS, Duncan G, Odermatt B, Ho A, Itie A, Horan T, Whoriskey JS, Pawson T, Penninger JM, Ohashi PS, Mak TW. [Related Articles](#), [OMIM](#)

ICOS is essential for effective T-helper-cell responses.

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ICOS is critical for CD40-mediated antibody class switching.

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Blood. 2001 Mar 15;97(6):1809-16.

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